

12/22/00

A

# BIRCH, STEWART, KOLASCH & BIRCH, LLP

INTELLECTUAL PROPERTY LAW  
8110 GATEHOUSE ROAD  
SUITE 500 EAST  
FALLS CHURCH, VA 22042-1210  
USA

(703) 205-8000

FAX: (703) 205-8050  
(703) 698-8590 (G IV)

e-mail: [mailroom@bskb.com](mailto:mailroom@bskb.com)  
web: <http://www.bskb.com>

CALIFORNIA OFFICE  
COSTA MESA, CALIFORNIA

ERRELL C. BIRCH  
RAYMOND C. STEWART  
JOSEPH A. KOLASCH  
JAMES M. SLATTERY  
BERNARD L. SWEENEY\*  
MICHAEL K. MUTTER  
CHARLES GORENSTEIN  
GERALD M. MURPHY, JR.  
LEONARD R. SVENSSON  
TERRY L. CLARK  
ANDREW D. MEIKLE  
MARC S. WEINER  
JOE MCKINNEY MUNCY  
ROBERT J. KENNEY  
DONALD J. DALEY  
JOHN W. BAILEY  
JOHN A. CASTELLANO  
GARY D. YACURA

OF COUNSEL:  
HERBERT M. BIRCH (1905-1996)  
ELLIOT A. GOLDBERG\*  
WILLIAM L. GATES\*  
EDWARD H. VALANCE  
RUPERT J. BRADY (RET.)\*  
F. PRINCE BUTLER  
FRED S. WHISENHUNT  
\*ADMITTED TO A BAR OTHER THAN VA.

THOMAS S. AUCHTERLONIE  
JAMES T. ELLER, JR.  
SCOTT L. LOWE  
MARK J. NUEL, Ph.D.  
D. RICHARD ANDERSON  
PAUL C. LEWIS  
MARK W. MILSTEAD\*  
RICHARD J. GALLAGHER  
JAYNE M. SAYDAH\*  
MARYANNE ARMSTRONG, Ph.D.  
HYUNG N. SOHN  
ALAN PEDERSEN-GILES  
KECIA J. REYNOLDS

REG. PATENT AGENTS:  
FREDERICK R. HANDREN  
MAKI HATSUMI  
MIKE S. RYU  
CRAIG A. McROBBIE  
GARTH M. DAHLEN, Ph.D.  
ROBERT E. GOOZNER, Ph.D.  
MATTHEW J. LATTIG  
TIMOTHY R. WYCKOFF  
KRISTI L. RUPERT, Ph.D.  
LARRY J. HUME  
ALBERT K. LEE  
HRAYR A. SAYADIAN, Ph.D.  
EVE L. FRANK, Ph.D.  
MATTHEW T. SHANLEY

Date: December 22, 2000

Docket No.: 3430-0161P

## BOX PATENT APPLICATION

Assistant Commissioner for Patents  
Washington, DC 20231

Sir:

As authorized by the inventor(s), transmitted herewith for filing is a patent application applied for on behalf of the inventor(s) according to the provisions of 37 C.F.R. § 1.41(c).

Inventor(s): Byung-Soo KO

For: METHOD OF MANUFACTURING AN ARRAY SUBSTRATE FOR LIQUID CRYSTAL DISPLAY

Enclosed are:

- ☒ A specification consisting of thirteen (13) pages
- ☒ Three (3) sheet(s) of formal drawings
- ☐ Applicant does not claim priority
- ☒ Applicant claims the right of priority based on 1999-67841 filed in Korea on December 31, 1999.
  - ☐ Certified copy is attached hereto
  - ☒ Certified copy will follow
- ☒ Executed Declaration in accordance with 37 C.F.R. § 1.64 will follow
- ☐ Applicant claims small entity status under 37 C.F.R. § 1.27

- ☐ Preliminary Amendment
- ☐ Application Data Sheet in accordance with 37 C.F.R. § 1.76
- ☐ Information Disclosure Statement, PTO-1449 and reference(s)
- ☒ Other: Information Sheet
- ☐ Applicant requests early publication - \$300.00 publication fee

The filing fee has been calculated as shown below:

			LARGE ENTITY	SMALL ENTITY
BASIC FEE			\$710.00	\$355.00
	NUMBER FILED	NUMBER EXTRA	RATE FEE	RATE FEE
TOTAL CLAIMS	12-20=	0	x 18 = \$0.00	x 9= \$0.00
INDEPENDENT CLAIMS	2-3=	0	x 80 = \$0.00	x40= \$0.00
<input type="checkbox"/> MULTIPLE DEPENDENT CLAIMS PRESENTED			+ \$270.00	+ \$135.00
TOTAL			\$710.00	\$0.00

- ☒ The application transmitted herewith is filed in accordance with 37 C.F.R. § 1.41(c). The undersigned has been authorized by the inventor(s) to file the present application. The original duly executed declaration together with the surcharge will be forwarded in due course.
- ☒ A check in the amount of \$710.00 to cover the filing fee is enclosed.
- ☐ Please charge Deposit Account No. 02-2448 in the amount of \$0.00. A triplicate copy of this transmittal form is enclosed.
- ☒ Please send correspondence to:
- BIRCH, STEWART, KOLASCH & BIRCH, LLP or Customer No. 2292  
P.O. Box 747  
Falls Church, VA 22040-0747  
Telephone: (703) 205-8000

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 02-2448 for any additional fees required under 37 C.F.R. § 1.16 or under 37 C.F.R. § 1.17; particularly, extension of time fees.

Respectfully submitted,

BIRCH, STEWART, KOLASCH & BIRCH, LLP

By Thomas S. Buchterlonge # 37275  
for Terry L. Clark, #32,644

P.O. Box 747  
Falls Church, VA 22040-0747  
(703) 205-8000

TLC/TSA:sld  
3430-0161P

Attachments

Q:\Utility Application Transmittal (Without Dec) - REV. 11/20/2000

IN THE U.S. PATENT AND TRADEMARK OFFICE

I N F O R M A T I O N   S H E E T

Applicant: Byung-Soo KO  
Appl. No.: NEW  
Filed: December 22, 2000  
For: METHOD OF MANUFACTURING AN ARRAY  
SUBSTRATE FOR LIQUID CRYSTAL DISPLAY

Priority Claimed Under 35 U.S.C. § 119 and/or § 120:

Korea 1999-67841 December 31, 1999

Send Correspondence to:

BIRCH, STEWART, KOLASCH & BIRCH, LLP or CUSTOMER NO. 2292  
P.O. Box 747  
Falls Church, VA 22040-0747  
(703) 205-8000

The above information is submitted to advise the U.S.P.T.O.  
of all relevant facts in connection with the present application.

A timely executed Declaration in accordance with 37 C.F.R.  
§ 1.64 will follow.

Respectfully submitted,

BIRCH, STEWART, KOLASCH & BIRCH, LLP

By *Terry L. Clark* #32,644  
Terry L. Clark, #32,644

TLC/TSA:sld  
3430-0161P

P.O. Box 747  
Falls Church, VA 22040-0747  
(703) 205-8000